

Abstract

The present invention provides a data communication technology which is capable of securing flexibly a bandwidth for a traffic that is generated and which enables effective use of access lines or wireless resource. A mobile router uses a plurality of communication means, retains a plurality of narrow band communication routes for communicating with the home agent, and configures a broad band communication route by using the plurality of the narrow band communication routes as a single logical communication route. This enables a bandwidth to be flexibly secured in accordance with the traffic which is generated in the mobile network. In this case, the home agent is enabled to effectively use the access lines by referring to the route information so as to determine the destination address. Furthermore, it is possible to save the wireless resource under the initiative of the user by dynamically connecting to an alternative line or disconnecting a line which is being used in response to a request of the user.